

## Corps Water Management Weekly Status Report – 25 September 2017

### Weather Summary:

No rain at the projects this past week, with no rain in the forecast for this coming week either. Perhaps some rain along the NC coast over the next couple of days as Hurricane Maria passes offshore of the Outer Banks. Longer term, recently released October outlook shows equal chances for below-, near- and above-normal precip and temps, while the Oct-Nov-Dec outlook shows slightly higher chances for below-normal precip across much of the District along with above-normal temps.

Tropical Activity: Hurricane Maria is located about 300 miles SSE of Cape Hatteras and is forecast to continue moving north through Wednesday before turning eastward away from the NC coast. Hurricane Lee, located well east of Bermuda, will not be a land threat.

### Reservoir Summaries:

Reservoir	25-Sep-17 0800 Elev (ft-msl)	Guide Curve (ft-msl)	Forecast 02-Oct-17 Elevation (ft-msl)	Average Net Inflows		Rainfall at Dam	
				7-day cfs (% median)	Sep cfs (% median)	7-day (inches)	Sep (inches)
Falls	250.06	251.5	250.2	3 (3%)	35 (31%)	0.00	2.20
Jordan	213.79	216.0	213.5	68 (13%)	347 (65%)	0.01	3.21
Scott	1030.08	1030.0	1030.3	374 (97%)	521 (136%)	0.00	5.35
Kerr	296.47	299.5	296.0	1307 (26%)	2042 (40%)	0.00	0.89
Philpott	968.60	971.7	968.4	82 (44%)	127 (68%)	0.03	2.77

Reservoir	Current Flood Storage % Remaining	Current Water Quality % Remaining	Forecast 80% WQ Remaining	Forecast 60% WQ Remaining	Current Water Supply or Power Pool % Remaining	Forecast 80% WS or PP Remaining	Forecast 60% WS or PP Remaining
Falls	100	80	Late Sep	*	88	Late Oct	*
Jordan	100	70		Late Oct	99	*	*
Scott	100				100	*	*
Kerr	100				84	Early Oct	*
Philpott	100				86	Mid Nov	*

NOTE: Water Quality, Water Supply, and Power Pool forecasts extend through end of Dec 2017.

\* indicates that storage remaining does not drop below indicated threshold by end of forecast period.

**Falls:** Currently near elev 250.0 ft (1.5 ft below guide curve). Releases are currently near 150 cfs. Clayton is currently near 255 cfs; minimum flow target at Clayton is 254 cfs.

**Jordan:** Currently near elev 213.8 ft (2.2 ft below guide curve) and slowly falling. Outflow is 400 cfs and will continue. Lillington is currently near 460 cfs and steady; since water quality storage in Jordan has dropped below 80%, minimum flow target at Lillington is now 450 to 600 +/- 50 cfs.

**W. Kerr Scott:** Currently near elev 1030.05 ft (0.05 ft above guide curve). Releases were decreased this morning (Monday) from 350 cfs to near 330 cfs. Wilkesboro is currently near 400 cfs; minimum flow target at Wilkesboro is 400 cfs.

**Kerr/Philpott:** Kerr is currently near elev 296.5 ft (3.0 ft below guide curve). This week's energy declaration supports minimum energy requirements for Kerr and Philpott and equates to a 7-day average release of ~3300 cfs. Anticipate lake level near 296 ft by the end of the week. Releases next week expected to be near 2400 cfs due to reduced minimum commitment in October.

Philpott is currently near elev 968.6 ft (3.1 feet below falling guide curve). Releasing about 160 cfs through sluice gate and low-flow valve. Fluctuations in releases to be expected over the next 2 weeks during unit testing. Expect lake level to be nr elev 968.5 ft by Friday. Plant outage expected to continue into October.